BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

FIRST AND PART BILL

Name of work: Works Related to damaged Caurse due to Flood in Ward No.09 (Vidyaranyapura).

Estimated Cost : Rs. 40.00 Lakhs

Head of Account : P3726 Zonal Public Works - POW Works

Job Code: 009-23-000001

Name of Agency: Sri.Nagoor Lokanadah Reddy, Flat No. 102, 1st Floor, No. 2, MSNR Enclave, 2nd Cros, Manorayana Palya, RT Nagar Post, Bangalore - 560 032.

Work order No: BBMP/EE/BTP/WO/64/2022-23 D: 07-11-2022.

	Measurements Recarded on :	01-04-2023							
Sl. No.	**Description of Item**	**Measurments**				**Qty**	**Unit**	**Rate**	**Amount**
		No.s	**L**	**B**	**D**				
1	Removing and Resetting of Footpath Slab (Approved Data rate enclosed).								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 01 to 02 is =					**347.40**	Sqm	205.00	**71217.00**
2	**Earth work excavation by manual means for drains**,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost. **In all kinds of soils Depth upto 1.5 m**								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 03 to 04 is =					**469.60**	Cum	179.00	**84058.00**
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregates								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 05 is =					**52.03**	Cum		
	Qty upto 125%					**43.18**	Cum	5010.00	**216305.00**
	Qty Above 125%					**8.86**	Cum	5007.34	**44340.00**
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 06 to 07 is =					**134.74**	Cum	6031.00	**812617.00**
5	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.								

AEE (VRP) BD

Sl. No	Description of Item	Measurments				Qty	Unit	Rate	Amount
		No.s	L	B	D				
	Qty as per Premeasurement Recorded vide E-Bill Page No. 08 is =					**8.58**	Tonnes		
	Qty upto 125%					**7.88**	Tonnes	88713.00	**699058.00**
	Qty Above 125%					**0.70**	Tonnes	84698.67	**59289.00**
6	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge of the Work.								
	Precast Covering Slab for RCC Drain								
	LG Enclave Main Road E/S								
	From Dead end to Main Road								
	12.80 to 27.80	1	15.00	0.90		13.50			
	27.80 to 42.80	1	15.00	0.90		13.50			
	42.80 to 48.30	1	5.50	0.90		4.95			
	71.00 to 87.80	1	16.80	0.90		15.12			
	91.20 to 98.00	1	6.80	0.90		6.12			
	101.00 to 115.00	1	15.00	0.90		13.50			
	115.00 to 130.00	1	15.00	0.90		13.50			
	146.50 to 161.50	1	15.00	0.90		13.50			
	161.50 to 176.50	1	15.00	0.90		13.50			
	176.50 to 191.50	1	15.00	0.90		13.50			
	191.50 to 206.50	1	15.00	0.90		13.50			
	206.50 to 221.50	1	15.00	0.90		13.50			
	221.50 to 232.30	1	10.80	0.90		9.72			
	LG Enclave Main Road W/S								
	Enterance	1	15.00	0.90		13.50			
		1	8.70	0.90		7.83			
		Total Qty =				**178.74**			
		Qty Ltd Approved Qty =				**161.55**	Sqm	2044.00	**330208.00**

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AEE (VRP) SD

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl. No	Description of Item	Measurments No.s	L	B	D	Qty	Unit	Rate	Amount
	Measurements Recarded on :	01-04-2023							
7	Providing & fixing RCC Precast Cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 200mm & down size with steel reinforcement including formwork, lift charges, curing & concrete finished surface both sides etc,. And as per drawing & the direction of Engineer-in-charge. **(Approved Data Rate)**								
	Culvert Deck Slab								
	near Dhanalakshmi Enterprises, IECEHS Layout		1	6.80	1.50	10.20			
	7th A Cross Gurudharshan		1	6.40	1.50	9.60			
	Venkataswamappa Layout 2nd Cross		1	5.60	1.50	8.40			
	Sapthagiri Layout 5th A Cross		1	5.60	1.50	8.40			
	Sapthagiri Layout 3rd Main		1	6.30	1.50	9.45			
	5th Main Canara Bank Layout		1	13.00	1.50	19.50			
	9th Main Shivarama Karanth Road, Canara Bank Layout		1	8.20	1.50	12.30			
	8th 'A' Main Canara Bank		1	11.10	1.50	16.65			
	6th Cross Sir M V Layout		1	6.20	1.50	9.30			
	5th Main Dhanalakshmi Layout		1	5.40	1.20	6.48			
	LG Enclave Main Road Enterance E/S		1	6.30	1.20	7.56			
				Total Qty =		**117.84**	Sqm	4740.00	**558562.00**
8	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum.								
	Same as Qty Vide Item No.2					427.34			
				Total Qty =		**427.34**	Cum	71.80	**30683.00**
9	Cost of Haulage Excluding Loading and Unloading, Case-1 : Surfaced Road A Taking output 10 t load and lead 10 km = 100 t.km								
	Same as Qty Vide Item No.20					427.34	Cum		
	Density of Sand/Debris i.e 1.28 Tonne/Cum	427.34			1.28	546.99	Tonnes		
	Cost of Haulage Excluding Loading and Unloading on Surface Road to a distance of	546.99			9.80	5360.50	t.kms		
				Total qty.		**5360.50**	t.kms	10.50	**56285.00**
								Sub Total	**2962624.00**
								Add GST 18%	**533272.00**
								TOTAL	**3495896.00**

AEE (VRP) SD

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Assistant Engineer
Ward No. 09

N. Lokanatha Reddy

Assistant Executive Engineer
Vidyaranyapura Sub-Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97